

Pipeline Clamp

Structural & Leak Preventing



2025

www.radcofix.com



Radco@radcofix.com



+989127808909

Pipeline Clamp

Pipeline Clamps are split mechanical fittings designed for the rapid repair of damaged or leaking pipelines. These fittings are manufactured in both structural and non-structural configurations. The non-structural type is intended for pipelines with minor defects such as pinhole leaks, localized wall thinning, or shallow dents. The structural type is engineered to restore the mechanical integrity of pipelines experiencing more severe damage, including cracked girth welds, kinks, or punctures. This version incorporates a retained, self-energizing gripping mechanism at both ends of the clamp, along with a high-performance elastomeric sealing system that provides reliable compression sealing in both circumferential and longitudinal directions.

Pipeline Clamps

Leak Repair

Crack like defects,

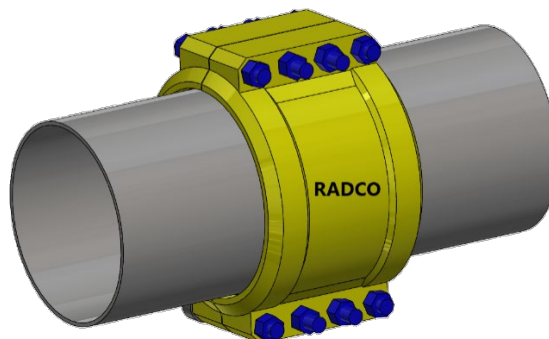
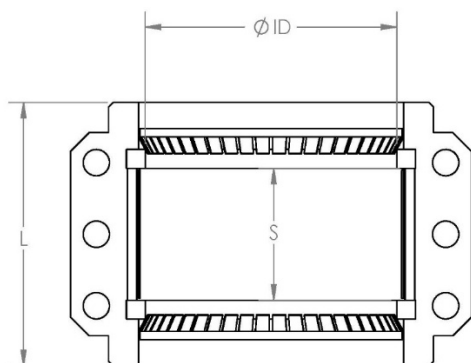
Structural Integrity

Tolerate high bending moment

Tolerate high axial force





GENARAL DIMENSION



Pipeline Nominal Size	Clamp Inside Diameter (ID)	Seal Active STANDARD Length (S)	Clamp Overall STANDARD Length (L)
3	4	5 ¼	8 ½
4	5	5 ¼	8 ½
6	7 1/8	5 ¼	8 ½
8	9 1/8	5 ¼	9
10	11 ¼	5 ½	10
12	13 ¼	5 ½	10 ½
14	14 ½	8	10 ½
16	16 ½	8	14
18	18 ½	8	14
20	20 ½	8	14
22	22 ½	8	14
24	24 ½	8	14
26	26 ½	8	14
28	28 ½	8	14
30	30 ½	8	14
32	32 ½	8	14
34	34 ½	8	14
36	36 ½	8	14 1/8
38	38 ½	8	14 ¼
40	40 ½	8	14 ¼
42	42 ½	8	14 7/8
48	48 ½	8	16
56	56 ½	8	17

The clamp inside diameter (ID) and the overall standard clamp length (L) are subject to modification based on the reported damage mechanism and/or upon the client's requirements. Accordingly, RADCO is capable of performing detailed engineering analyses to accurately define, verify, and optimize the clamp dimensional specifications

 <small>شرکت دانش بنیان مه راد صنعت خلاق (رادکو)</small>	<h1>Pipeline Clamp</h1>				 <small>شرکت دانش بنیان مه راد صنعت خلاق (رادکو)</small>
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	Revision	-	Date	January 1, 2026	

Split Sleeve Clamp Specification

Items	Description
Service	Crude Oil / Gas/ Condensate ...
Application	Subsea / Onshore/ Underground
Design Code	ASME B31.4, ASME B31.8
Nominal pipe size (NPS)	4 nch~56 inch
Pipeline grade	API 5L
Pipeline wall thickness	TBD
Engineering design	ASME PCC2, ASME SECVIII, DNV GL RP F113
Sealing Length	Standard and non standard
ANSI Pressure Rating	#150 ~#2500
Design Temperature	TBD
Main Body Material	Acc to API SPECIFICATION 6H A694, A105, A516
Inboard seal	Compatible wtih Fluid (Buna N (NBR) ...)
Protection sheet	SS 304L
Coating	Epoxy / Col Tar Epolxy/ Mastic Epoxy/ Marine Epoxy
Stud bolts and Nuts	A 193 B7M , A 194 (2HM)
Lifting Hooks	Yes
Hanger & Hinges	Yes
Packing	Wooden Pallet

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